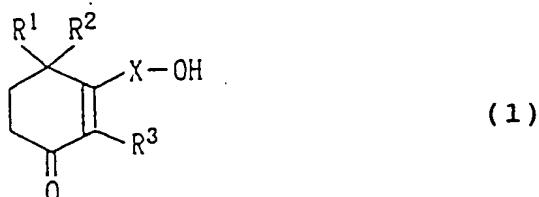


## CLAIMS

1. A preventive and therapeutic drug for a neurodegenerative disease containing, as an active ingredient, a cyclohexenone long-chain alcohol compound represented by the following formula (1):

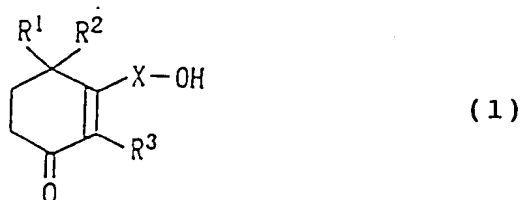


wherein each of R<sup>1</sup>, R<sup>2</sup>, and R<sup>3</sup> represents a hydrogen atom or a methyl group; and X represents a C10-C28 linear or branched alkylene group or alkenylene group.

2. A preventive and therapeutic drug according to Claim 1, wherein the neurodegenerative disease is amyotrophic lateral sclerosis.

3. A preventive and therapeutic drug according to Claim 1, wherein the neurodegenerative disease is disorders caused by mutation in a superoxide dismutase gene.

4. Use of a cyclohexenone long-chain alcohol compound represented by the following formula (1):



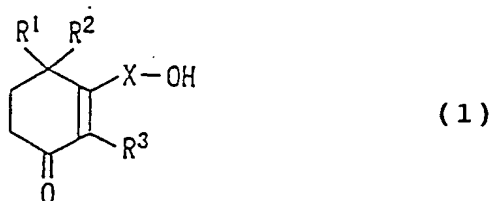
wherein each of R<sup>1</sup>, R<sup>2</sup>, and R<sup>3</sup> represents a hydrogen atom or a

methyl group; and X represents a C10-C28 linear or branched alkylene group or alkenylene group for the production of a preventive and therapeutic drug for a neurodegenerative disease.

5. A preventive and therapeutic drug according to Claim 4, wherein the neurodegenerative disease is amyotrophic lateral sclerosis.

6. A preventive and therapeutic drug according to Claim 4, wherein the neurodegenerative disease is disorders caused by mutation in a superoxide dismutase gene.

7. A method of treating a neurodegenerative disease, which comprises administering a cyclohexenone long-chain alcohol compound represented by the following formula (1):



wherein each of R<sup>1</sup>, R<sup>2</sup>, and R<sup>3</sup> represents a hydrogen atom or a methyl group; and X represents a C10-C28 linear or branched alkylene group or alkenylene group to a patient in need thereof.

8. The method according to Claim 7, wherein the neurodegenerative disease is amyotrophic lateral sclerosis.

9. The method according to Claim 7, wherein the neurodegenerative disease is disorders caused by mutation in a superoxide dismutase gene.